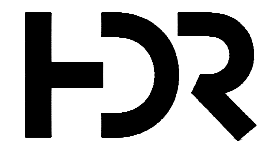


DRAFT EIS - CONCEPTUAL DESIGN SR 99 TO I-5 ALTERNATIVE

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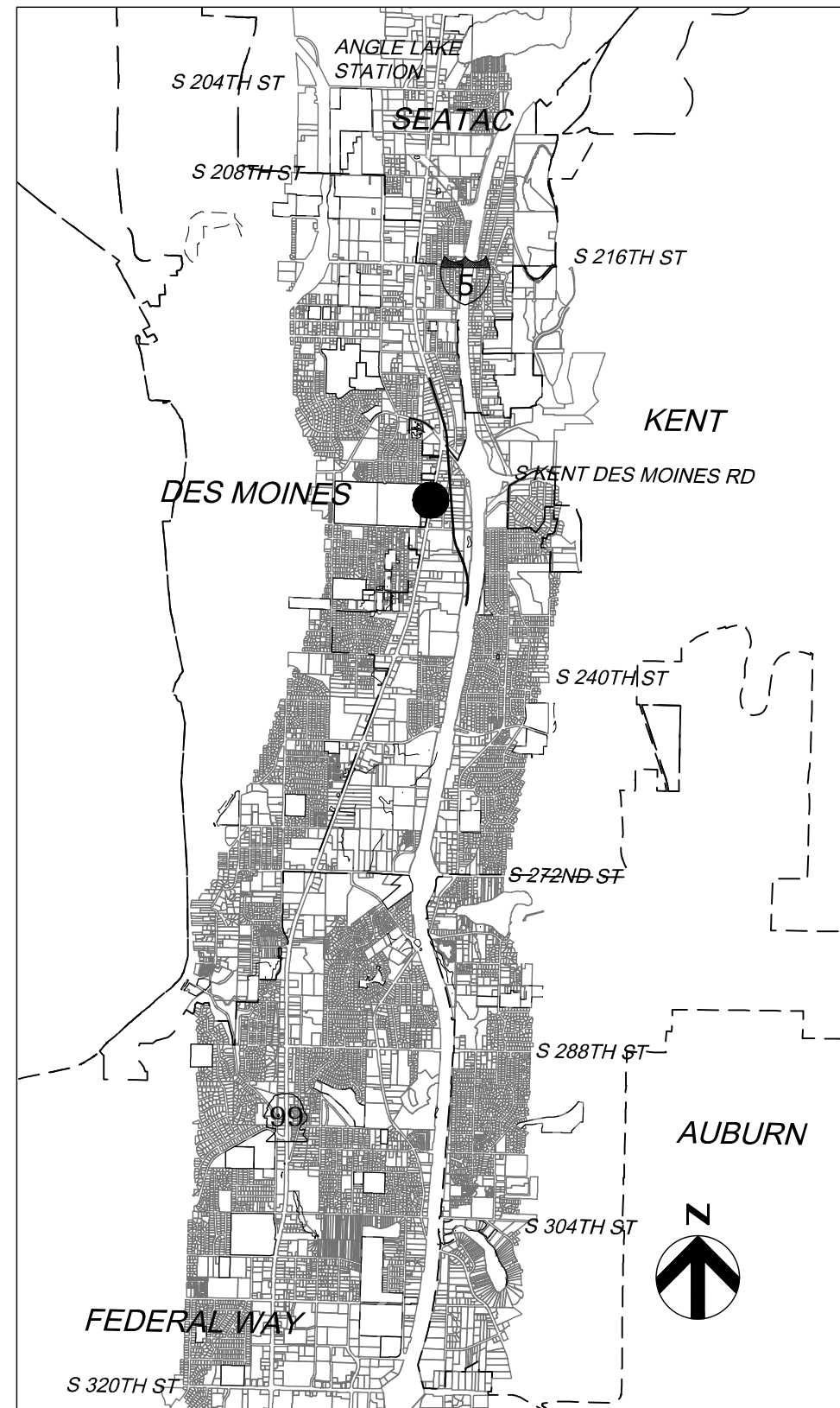


SOUND TRANSIT
FEDERAL WAY LINK EXTENSION
DRAFT EIS - CONCEPTUAL DESIGN SR 99 TO I-5 ALTERNATIVE

APRIL 2015

SHEET KEY

SR 99 TO I-5 ALTERNATIVE



PROJECT LOCATION MAP

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

Sheet No.	Drawing No.	Sheet Title	
SR99 TO I-5 ALTERNATIVE			
144	SR99-L00-GX00	COVER SHEET	
145	SR99-L00-GX01	SHEET INDEX	
146	SR99-L00-GX02	SHEET INDEX KEYMAP	
147	SR99-L1-PP01	TRACK PLAN AND PROFILE STA 10+00 TO STA 35+00	
148	SR99-L2-PP02	TRACK PLAN AND PROFILE STA 35+00 TO STA 63+00	
149	SR99-L3-PP03	TRACK PLAN AND PROFILE STA 63+00 TO STA 79+97.70	
150	FWLE_S99_to_I-5_AP001	KENT/DES MOINES 30TH AVENUE WEST STATION - SITE PLAN	
151	FWLE_S99_to_I-5_AX001	KENT/DES MOINES 30TH AVENUE WEST STATION - SECTIONS	

ABBREVIATIONS

B BP	BEGIN POINT
C CTR CL CS	CENTER CENTERLINE CURVE TO SPIRAL
D DO DWG	DESIGN OPTION DRAWING
E E EL EP EX	EAST/ELECTRICAL ELEVATION END POINT EXISTING
F FWLE FWTC	FEDERAL WAY LINK EXTENSION FEDERAL WAY TRANSIT CENTER
G G	GAS
H HC HORZ	HIGHLINE COLLEGE HORIZONTAL
K KC KCM KDM Kv	KING COUNTY KING COUNTY METRO KENT/DES MOINES KILOVOLTS
M MPH	MILES PER HOUR
N N NB	NORTH NORTHBOUND
O OE	OVERHEAD ELECTRICAL
P PC PL PS PT PVC PVI PVT	POINT OF CURVATURE PLACE POINT OF SWITCH POINT OF TANGENCY POINT OF VERTICAL CURVATURE POINT OF VERTICAL INTERSECTION POINT OF VERTICAL TANGENCY
R R RD ROW	RADUIS ROAD RIGHT OF WAY

S S SB SC SF SR ST STA	SOUTH SOUTH BOUND SPIRAL TO CURVE SQUARE FEET STATE ROUTE STREET, SPIRAL TO TANGENT, or SOUND TRANSIT STATION
T TPSS TS TYP	TRACTION POWER SUBSTATION TANGENT TO SPIRAL TYPICAL
V V	VELOCITY

EXISTING FEATURES

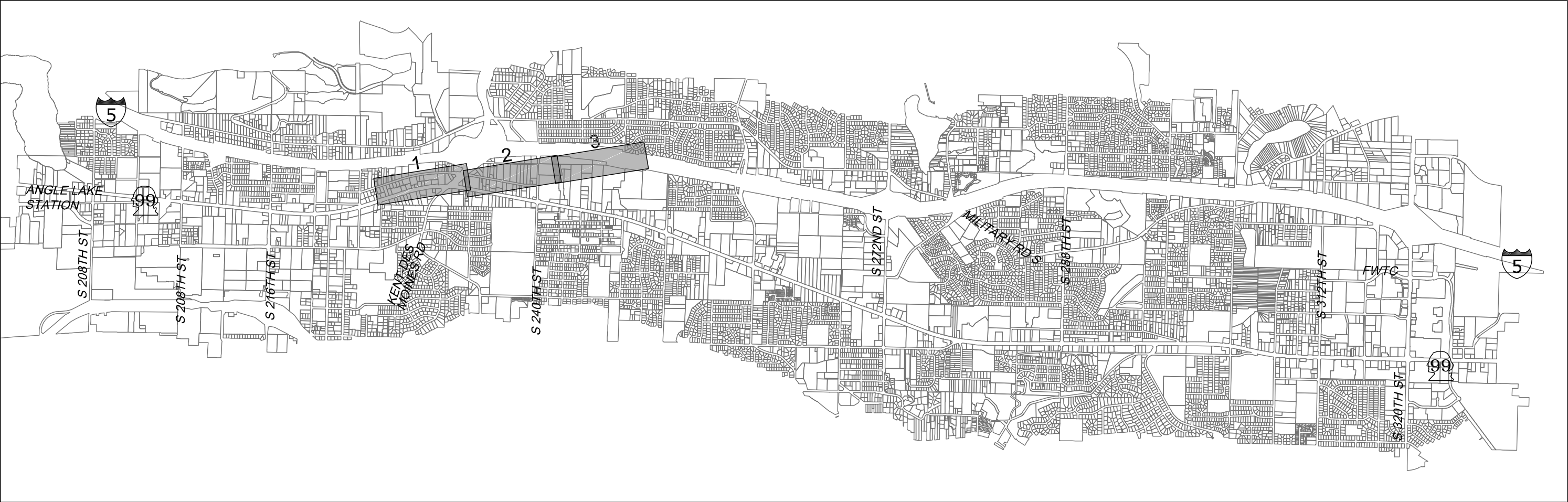
	RIGHT OF WAY LINE
	LOT LINE
	GAS
	OVERHEAD ELECTRICAL
	UNDERGROUND ELECTRICAL
	WETLAND
	STREAM
	TRACK CENTERLINE
	EXISTING GROUND (PROFILE)
	CONTOUR LINE

PROPOSED FEATURES

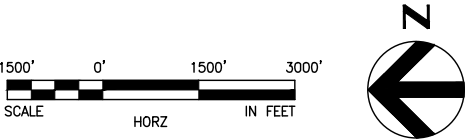
	PROPOSED WSDOT ROW
	CITY LIMITS
	CONSTRUCTION FOOTPRINT
	GUIDEWAY CENTERLINE
	CURB AND SIDEWALK
	BOTTOM OF STRUCTURE (PROFILE)
	TOP OF RAIL (PROFILE)
	STATION PLATFORM
	AT-GRADE /TRENCH (BALLASTED) TRACK
	ELEVATED GUIDEWAY
	COLUMNS / STRADDLE BENTS
	LONG SPAN COLUMNS
	HEAD WALL
	TPSS BUILDING
	NEW SIGNAL



SOUND TRANSIT FEDERAL WAY LINK EXTENSION



SR99 TO I-5 SHEET LAYOUT MATRIX			
	1	2	3
L - SR 99 TO I-5 ALTERNATIVE	X	X	X



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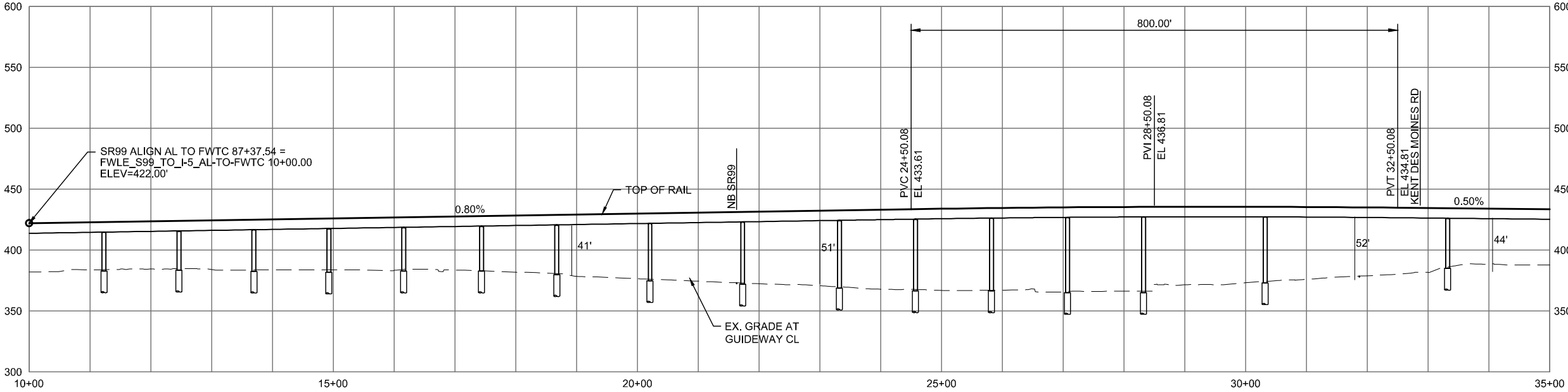
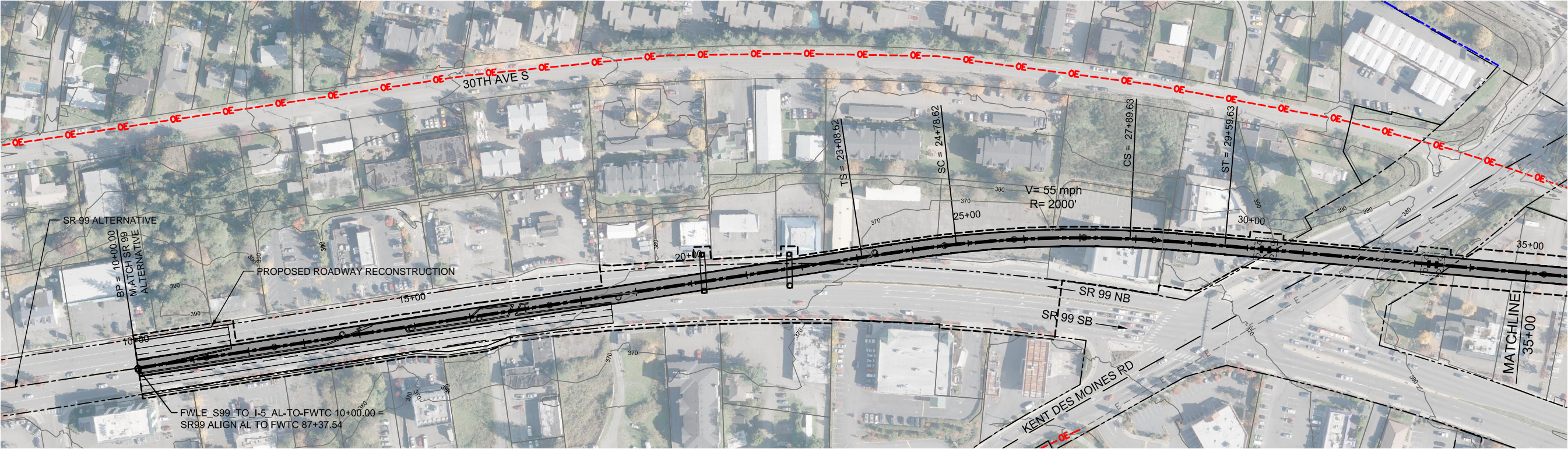


DRAFT EIS - CONCEPTUAL DESIGN
SR 99 TO I-5 ALTERNATIVE
SHEET INDEX KEYMAP

APRIL 2015

SR99-L00-GX02
146

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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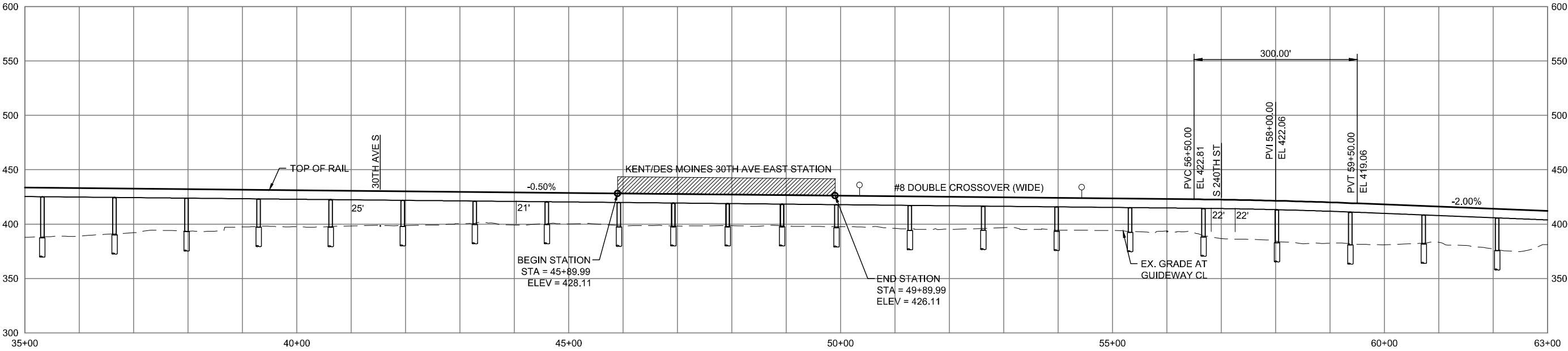
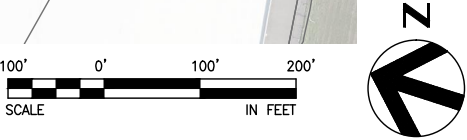
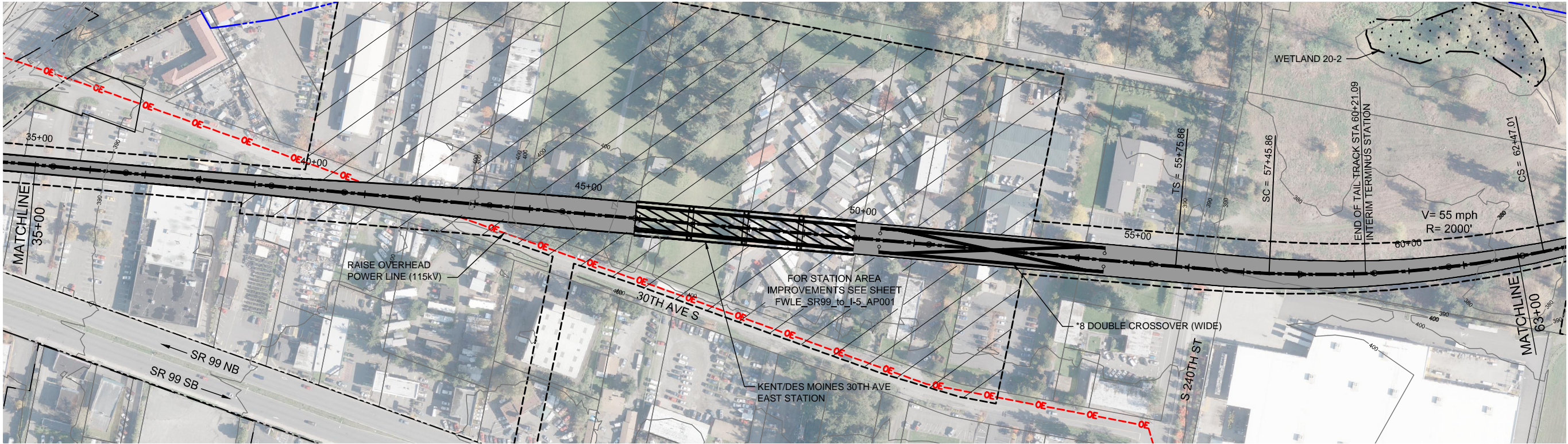


DRAFT EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 TO I-5 ALTERNATIVE
STA 10+00 TO STA 35+00

APRIL 2015

SR99-L1-PP01
147

SOUND TRANSIT FEDERAL WAY LINK EXTENSION



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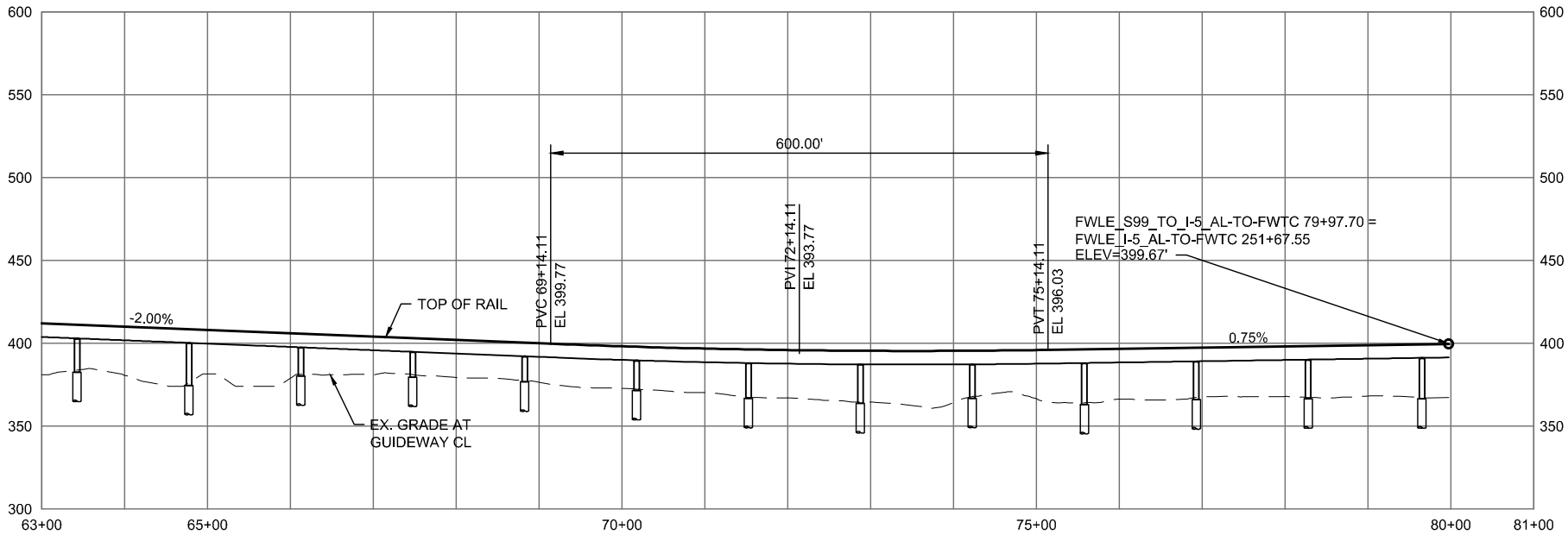
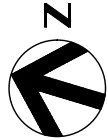
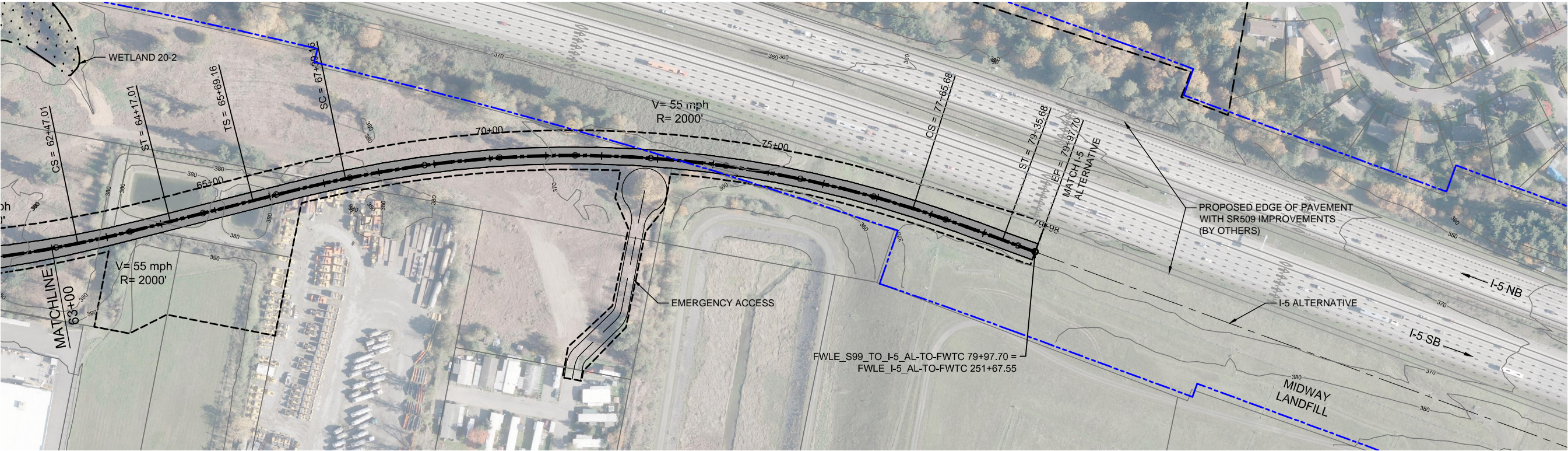


DRAFT EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 TO I-5 ALTERNATIVE
STA 35+00 TO STA 63+00

APRIL 2015

SR99-L2-PP02
148

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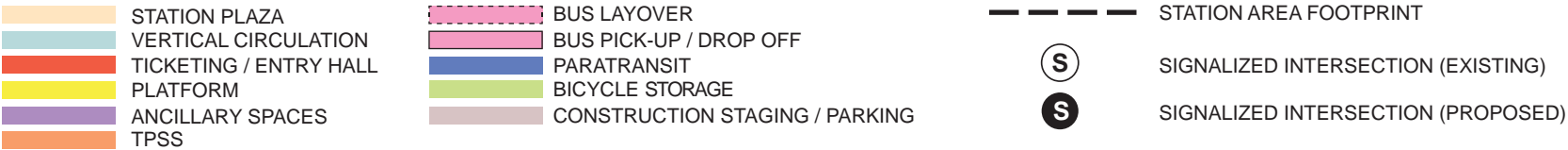
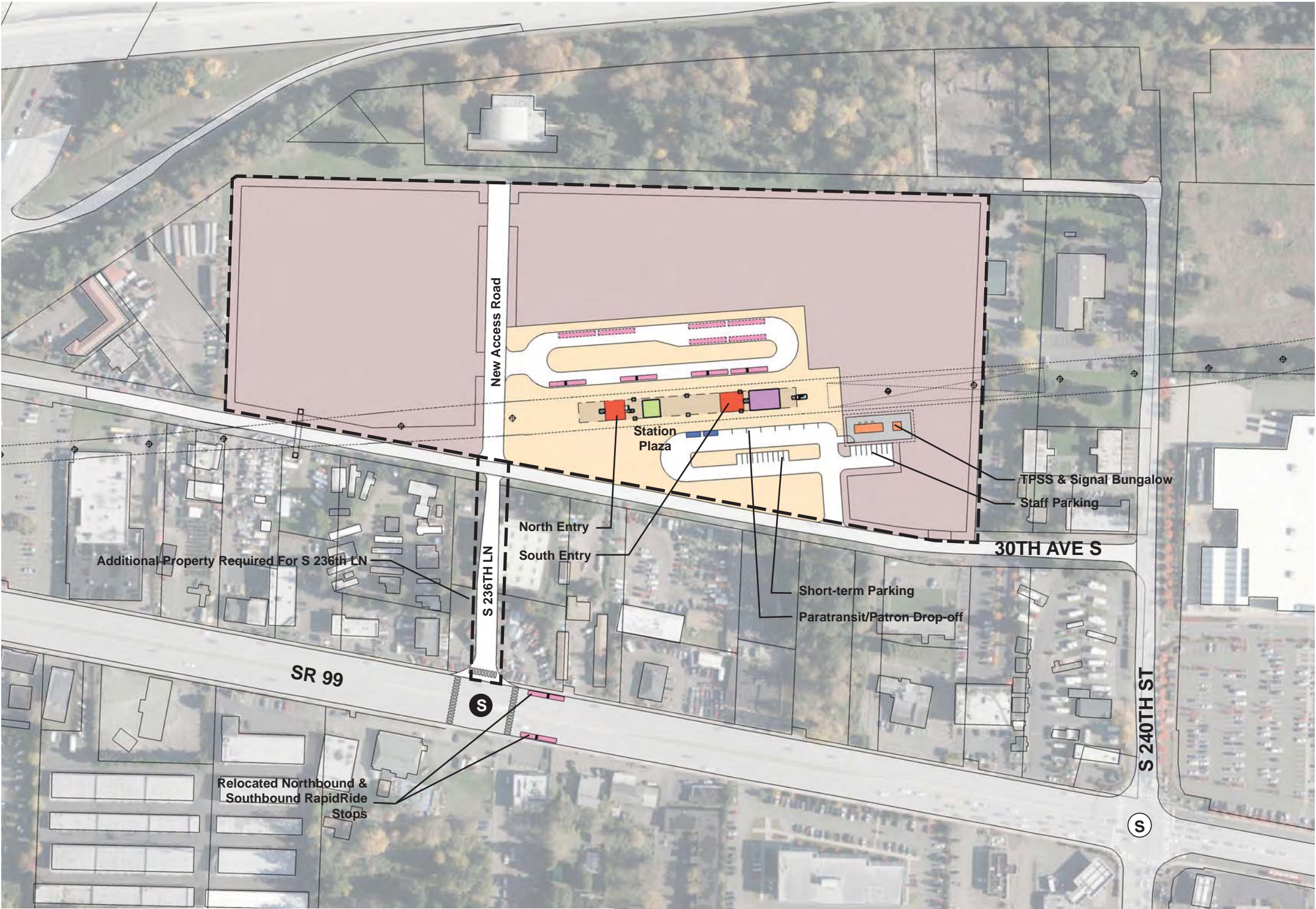
DRAFT EIS - CONCEPTUAL DESIGN
TRACK PLAN & PROFILE AND ROADWAY RECONSTRUCTION
SR 99 TO I-5 ALTERNATIVE
STA 63+00 TO STA 79+97.70

APRIL 2015

SR99-L3-PP03
149

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

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ASSUMPTIONS:

Kent/Des Moines 30th Avenue East Station	
Alternative(s)	SR 99 to I-5
Boardings	2,500
Boardings (with 216th Station)	2,500
Boardings (interim terminus)	4,500
Station Configuration	
Terminus / In-Line	Interim Terminus
Station Type	Center Platform - Elevated
Platform Width	34'
Tail track	900'
Crossover	Yes
TPSS	Yes
Program	
KC Metro Ancillary Spaces (SF)	200
ST Ancillary Spaces (SF)	1,800
Total Ancillary Spaces (SF)	2,000
Vertical Circulation	
# of entrances	2
# of escalators	1
# of staircases (patron)	1
# of elevators	2
# of emergency stairs	2
Bus/ Paratransit Facilities	
Bus bays (KCM)	2 bays, one 60' coach each
Bus bays (ST)	1 bay, two 60' coaches
Rapid Ride	On-street at SR 99
Bus layover (KCM)	2 bays, two 60' coaches each
Bus layover (ST)	1 bay, two 60' coaches
Paratransit spaces	1 permanent, 1 interim
Communications Facility	Tier 2
Parking & Amenities	
Bike storage	900 SF
Patron drop-off	6 spaces
Short-term patron parking	7 to 10 spaces
Staff parking	4 spaces
Service/emerg. vehicle park.	2 spaces, separate lot
Signal bungalow / TPSS park.	2 spaces, dedicated
Long-term patron parking	500 spaces (structure)
Temporary patron parking*	500 spaces (surface)
Total proposed patron parking*	1000 spaces

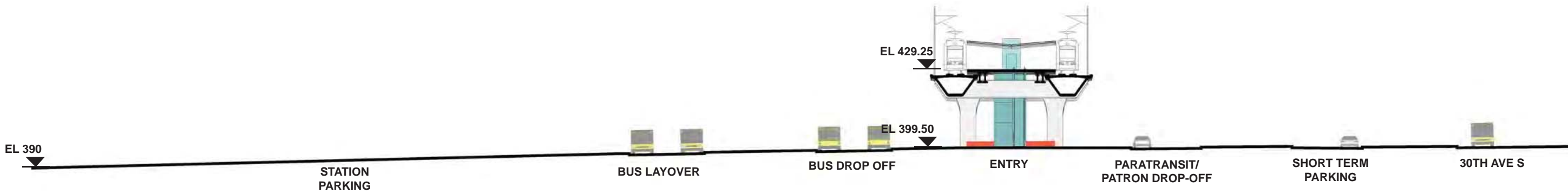
*Only required for interim terminus condition



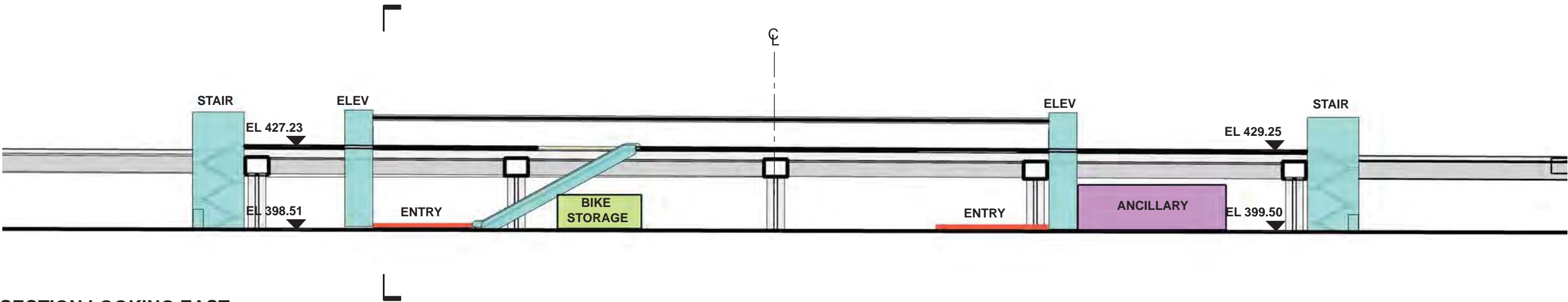
DRAFT EIS - CONCEPTUAL DESIGN
KENT/DES MOINES 30TH AVENUE EAST STATION
SITE PLAN

APRIL 2015
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150

SOUND TRANSIT FEDERAL WAY LINK EXTENSION

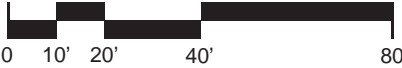


SECTION LOOKING SOUTH



SECTION LOOKING EAST

- | | |
|------------------------|--------------------------------|
| STATION PLAZA | BUS LAYOVER |
| VERTICAL CIRCULATION | BUS PICK-UP / DROP OFF |
| TICKETING / ENTRY HALL | PARATRANSIT |
| PLATFORM | BICYCLE STORAGE |
| ANCILLARY SPACES | CONSTRUCTION STAGING / PARKING |
| TPSS | |



DRAFT EIS - CONCEPTUAL DESIGN
KENT/DES MOINES 30TH AVENUE EAST STATION
SECTIONS

APRIL 2015
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151

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